



Lipids and Lipid Metabolism
(including Lipids in Signalling and Recognition)
Vol. 1299, 1996

BBA
Biochimica
et Biophysica Acta

Author Index

- Abe, A., Radin, N.S. and Shayman, J.A.
Induction of glucosylceramide synthase by synthase inhibitors and ceramide (1299) 333
- Aberle, A.M., Bennett, M.J., Malone, R.W. and Nantz, M.H.
The counterion influence on cationic lipid-mediated transfection of plasmid DNA (1299) 281
- Adosraku, R.K., Smith, J.D., Nicolaou, A. and Gibbons, W.A.
Tetrahymena thermophila: analysis of phospholipids and phosphonolipids by high-field ¹H-NMR (1299) 167
- Akimoto, K., see Kawashima, H. (1299) 34
- Alvarez-Cermeño, J.C., see Nocito, M. (1299) 17
- Balboa, M., Honke, K. and Makita, A.
Regulation of glycolipid sulfotransferase by tyrosine kinases in human renal cancer cells (1299) 141
- Bass, D.A., see Bauldry, S.A. (1299) 223
- Bauldry, S.A., Wooten, R.E. and Bass, D.A.
Activation of cytosolic phospholipase A₂ in permeabilized human neutrophils (1299) 223
- Bélanger, A., see Lavallée, B. (1299) 306
- Bell, J.G., see Henderson, R.J. (1299) 289
- Bennett, M.J., see Aberle, A.M. (1299) 281
- Bernini, F., Calabresi, L., Bonfadini, G. and Franceschini, G.
The molecular structure of apolipoprotein A-II modulates the capacity of HDL to promote cell cholesterol efflux (1299) 103
- Bézar, J., see Clouet, P. (1299) 191
- Blackmore, P.F., see Rzigalinski, B.A. (1299) 342
- Boland, R., see De Boland, A.R. (1299) 279
- Bonfadini, G., see Bernini, F. (1299) 103
- Boremski, S., see Geilen, C.C. (1299) 299
- Bourgoin, S., see Richard, A. (1299) 259
- Bremer, J., see Larsen, L.N. (1299) 47
- Buzzi, M., Henderson, R.J. and Sargent, J.R.
The desaturation and elongation of linolenic acid and eicosapentaenoic acid by hepatocytes and liver microsomes from rainbow trout (*Oncorhynchus mykiss*) fed diets containing fish oil or olive oil (1299) 235
- Calabresi, L., see Bernini, F. (1299) 103
- Campbell, W.B., see Rosolowsky, M. (1299) 267
- Carrero, P., Gómez-Coronado, D., Olivecrona, G. and Lasunción, M.A.
Binding of lipoprotein lipase to apolipoprotein B-containing lipoproteins (1299) 198
- Chapkin, R.S., see Laurenz, J.C. (1299) 146
- Chapman, M.J., see Dentan, C. (1299) 353
- Cheema, S.K. and Clandinin, M.T.
Diet fat alters expression of genes for enzymes of lipogenesis in lean and obese mice (1299) 284
- Chen, X., Gresham, A., Morrison, A. and Pentland, A.P.
Oxidative stress mediates synthesis of cytosolic phospholipase A₂ after UVB injury (1299) 23
- Chicco, A., see Lombardo, Y.B. (1299) 175
- Chilton, F.H., Fonteh, A.N., Surette, M.E., Triggiani, M. and Winkler, J.D.
Control of arachidonate levels within inflammatory cells (1299) 1
- Clandinin, M.T., see Cheema, S.K. (1299) 284
- Clouet, P., Semporé, G., Tsoko, M., Gresti, J., Demarquoy, J., Niot, I., Bézar, J. and Martin-Privat, P.
Effect of short- and long-term treatments by a low level of dietary L-carnitine on parameters related to fatty acid oxidation in Wistar rat (1299) 191
- Collins, V.P., see Rudling, M. (1299) 75
- Dabach, Y., see Stein, O. (1299) 216
- Dahl, E., see Larsen, L.N. (1299) 47
- D'Alessandro, M.E., see Lombardo, Y.B. (1299) 175
- Dargel, R., see Plonné, D. (1299) 54
- De Boland, A.R., Morelli, S. and Boland, R.
Corrigendum to "1,25(OH)₂-Vitamin D-3 stimulates phospholipase A₂ activity via a guanine nucleotide-binding protein in chick myoblasts" [Biochim. Biophys. Acta 1257 (1995) 274-278] (1299) 279
- De Jersey, J., see Treloar, T. (1299) 160
- Demarquoy, J., see Clouet, P. (1299) 191
- DeMattos, R.B., see Rea, T.J. (1299) 67
- Dentan, C., Tselepis, A.D., Chapman, M.J. and Ninio, E.
Pefabloc, 4-[2-aminoethyl]benzenesulfonyl fluoride, is a new, potent nontoxic and irreversible inhibitor of PAF-degrading acetylhydrolase (1299) 353
- Endisch, U., see Plonné, D. (1299) 54
- Ericson, L., see Haigh, W.G. (1299) 183
- Exton, J.H., see Pete, M.J. (1299) 325
- Fonteh, A.N., see Chilton, F.H. (1299) 1
- Franceschini, G., see Bernini, F. (1299) 103
- Fujimoto, K., see Nakagawa, K. (1299) 110
- Geilen, C.C., Wieder, T., Boremski, S., Wieprecht, M. and Orfanos, C.E.
c-Ha-ras oncogene expression increases choline uptake, CTP:phosphocholine cytidyltransferase activity and phosphatidylcholine biosynthesis in the immortalized human keratinocyte cell line HaCaT (1299) 299
- Gibbons, W.A., see Adosraku, R.K. (1299) 167
- Gombos, Z., Wada, H., Varkonyi, Z., Los, D.A. and Murata, N.
Characterization of the Fad12 mutant of *Synechocystis* that is defective in $\Delta 12$ acyl-lipid desaturase activity (1299) 117
- Gómez-Coronado, D., see Carrero, P. (1299) 198
- González-Porqué, P., see Nocito, M. (1299) 17
- Gregoriadis, G., see Velinova, M. (1299) 207
- Gresham, A., see Chen, X. (1299) 23
- Gresti, J., see Clouet, P. (1299) 191
- Gunn, J.M., see Laurenz, J.C. (1299) 146
- Guo, D.-a., see Venkatramesh, M. (1299) 313
- Gutman, R., see Lombardo, Y.B. (1299) 175
- Haigh, W.G., Yoder, T.F., Ericson, L., Pratum, T. and Winget, R.R.
The characterisation and cyclic production of a highly unsaturated homoserine lipid in *Chlorella minutissima* (1299) 183
- Halperin, G., see Stein, O. (1299) 216
- Henderson, R.J., Bell, J.G. and Park, M.T.
Polyunsaturated fatty acid composition of the salmon (*Salmo salar* L.) pineal organ: modification by diet and effect on prostaglandin production (1299) 289



Lipids and Lipid Metabolism
(including Lipids in Signalling and Recognition)
Vol. 1299, 1996

BBA
*Biochimica
et Biophysica Acta*

Author Index

- Abe, A., Radin, N.S. and Shayman, J.A.
Induction of glucosylceramide synthase by synthase inhibitors and ceramide (1299) 333
- Aberle, A.M., Bennett, M.J., Malone, R.W. and Nantz, M.H.
The counterion influence on cationic lipid-mediated transfection of plasmid DNA (1299) 281
- Adosraku, R.K., Smith, J.D., Nicolaou, A. and Gibbons, W.A.
Tetrahymena thermophila: analysis of phospholipids and phosphonolipids by high-field ¹H-NMR (1299) 167
- Akimoto, K., see Kawashima, H. (1299) 34
- Alvarez-Cermeño, J.C., see Nocito, M. (1299) 17
- Balboa, M., Honke, K. and Makita, A.
Regulation of glycolipid sulfotransferase by tyrosine kinases in human renal cancer cells (1299) 141
- Bass, D.A., see Bauldry, S.A. (1299) 223
- Bauldry, S.A., Wooten, R.E. and Bass, D.A.
Activation of cytosolic phospholipase A₂ in permeabilized human neutrophils (1299) 223
- Bélanger, A., see Lavallée, B. (1299) 306
- Bell, J.G., see Henderson, R.J. (1299) 289
- Bennett, M.J., see Aberle, A.M. (1299) 281
- Bernini, F., Calabresi, L., Bonfadini, G. and Franceschini, G.
The molecular structure of apolipoprotein A-II modulates the capacity of HDL to promote cell cholesterol efflux (1299) 103
- Bézar, J., see Clouet, P. (1299) 191
- Blackmore, P.F., see Rzigalinski, B.A. (1299) 342
- Boland, R., see De Bolland, A.R. (1299) 279
- Bonfadini, G., see Bernini, F. (1299) 103
- Boremski, S., see Geilen, C.C. (1299) 299
- Bourgoin, S., see Richard, A. (1299) 259
- Bremer, J., see Larsen, L.N. (1299) 47
- Buzzi, M., Henderson, R.J. and Sargent, J.R.
The desaturation and elongation of linolenic acid and eicosapentaenoic acid by hepatocytes and liver microsomes from rainbow trout (*Oncorhynchus mykiss*) fed diets containing fish oil or olive oil (1299) 235
- Calabresi, L., see Bernini, F. (1299) 103
- Campbell, W.B., see Rosolowsky, M. (1299) 267
- Carrero, P., Gómez-Coronado, D., Olivecrona, G. and Lasunción, M.A.
Binding of lipoprotein lipase to apolipoprotein B-containing lipoproteins (1299) 198
- Chapkin, R.S., see Laurenz, J.C. (1299) 146
- Chapman, M.J., see Dentan, C. (1299) 353
- Cheema, S.K. and Clandinin, M.T.
Diet fat alters expression of genes for enzymes of lipogenesis in lean and obese mice (1299) 284
- Chen, X., Gresham, A., Morrison, A. and Pentland, A.P.
Oxidative stress mediates synthesis of cytosolic phospholipase A₂ after UVB injury (1299) 23
- Chicco, A., see Lombardo, Y.B. (1299) 175
- Chilton, F.H., Fonteh, A.N., Surette, M.E., Triggiani, M. and Winkler, J.D.
Control of arachidonate levels within inflammatory cells (1299) 1
- Clandinin, M.T., see Cheema, S.K. (1299) 284
- Clouet, P., Semporé, G., Tsoko, M., Gresti, J., Demarquoy, J., Niot, I., Bézar, J. and Martin-Privat, P.
Effect of short- and long-term treatments by a low level of dietary L-carnitine on parameters related to fatty acid oxidation in Wistar rat (1299) 191
- Collins, V.P., see Rudling, M. (1299) 75
- Dabach, Y., see Stein, O. (1299) 216
- Dahl, E., see Larsen, L.N. (1299) 47
- D'Alessandro, M.E., see Lombardo, Y.B. (1299) 175
- Dargel, R., see Plonné, D. (1299) 54
- De Bolland, A.R., Morelli, S. and Bolland, R.
Corrigendum to "1,25(OH)₂-Vitamin D-3 stimulates phospholipase A₂ activity via a guanine nucleotide-binding protein in chick myoblasts" [Biochim. Biophys. Acta 1257 (1995) 274-278] (1299) 279
- De Jersey, J., see Treloar, T. (1299) 160
- Demarquoy, J., see Clouet, P. (1299) 191
- DeMattos, R.B., see Rea, T.J. (1299) 67
- Dentan, C., Tselepis, A.D., Chapman, M.J. and Ninio, E.
Pefabloc, 4-[2-aminoethyl]benzenesulfonyl fluoride, is a new, potent nontoxic and irreversible inhibitor of PAF-degrading acetylhydrolase (1299) 353
- Endisch, U., see Plonné, D. (1299) 54
- Ericson, L., see Haigh, W.G. (1299) 183
- Exton, J.H., see Pete, M.J. (1299) 325
- Fonteh, A.N., see Chilton, F.H. (1299) 1
- Franceschini, G., see Bernini, F. (1299) 103
- Fujimoto, K., see Nakagawa, K. (1299) 110
- Geilen, C.C., Wieder, T., Boremski, S., Wieprecht, M. and Orfanos, C.E.
c-Ha-ras oncogene expression increases choline uptake, CTP:phosphocholine cytidyltransferase activity and phosphatidylcholine biosynthesis in the immortalized human keratinocyte cell line HaCaT (1299) 299
- Gibbons, W.A., see Adosraku, R.K. (1299) 167
- Gombos, Z., Wada, H., Varkonyi, Z., Los, D.A. and Murata, N.
Characterization of the Fad12 mutant of *Synechocystis* that is defective in Δ 12 acyl-lipid desaturase activity (1299) 117
- Gómez-Coronado, D., see Carrero, P. (1299) 198
- González-Porqué, P., see Nocito, M. (1299) 17
- Gregoriadis, G., see Velinova, M. (1299) 207
- Gresham, A., see Chen, X. (1299) 23
- Gresti, J., see Clouet, P. (1299) 191
- Gunn, J.M., see Laurenz, J.C. (1299) 146
- Guo, D.-a., see Venkatramesh, M. (1299) 313
- Gutman, R., see Lombardo, Y.B. (1299) 175
- Haigh, W.G., Yoder, T.F., Ericson, L., Pratum, T. and Winget, R.R.
The characterisation and cyclic production of a highly unsaturated homoserine lipid in *Chlorella minutissima* (1299) 183
- Halperin, G., see Stein, O. (1299) 216
- Henderson, R.J., Bell, J.G. and Park, M.T.
Polyunsaturated fatty acid composition of the salmon (*Salmo salar* L.) pineal organ: modification by diet and effect on prostaglandin production (1299) 289

- Henderson, R.J., see Buzzi, M. (1299) 235
Herschman, H.R.
 Prostaglandin synthase 2 (1299) 125
Hoffmann, A., Schmalz, M. and Leineweber, M.
 Cholesterol lowering action of HOE 402 in the normolipidemic and hypercholesterolemic Golden Syrian hamster (1299) 95
Hollander, G., see Stein, O. (1299) 216
Homan, R., see Rea, T.J. (1299) 67
Honke, K., see Balbaa, M. (1299) 141
Hu, M., Konoki, K. and Tachibana, K.
 Cholesterol-independent membrane disruption caused by triterpenoid saponins (1299) 252
Hülsmann, W.C., see Pessotto, P. (1299) 245
Jia, Z., see Venkatramesh, M. (1299) 313
Jolly, C.A., see Laurenz, J.C. (1299) 146
Kawashima, H., Akimoto, K., Shirasaka, N. and Shimizu, S.
 Inhibitory effects of alkyl gallate and its derivatives on fatty acid desaturation (1299) 34
Khachadurian, A.K., see Rifichi, V.A. (1299) 87
Kirby, C., see Velinova, M. (1299) 207
Konoki, K., see Hu, M. (1299) 252
Kresch, M.J., Lima, D.M. and Lu, H.
 Developmental regulation of phospholipid secretion by fetal type II pneumocytes (1299) 39
Krump, E., see Richard, A. (1299) 259
Larsen, L.N., Dahl, E. and Bremer, J.
 Peroxidative oxidation of leuco-dichlorofluorescein by prostaglandin H synthase in prostaglandin biosynthesis from polyunsaturated fatty acids (1299) 47
Lasunción, M.A., see Carrero, P. (1299) 198
Laurenz, J.C., Gunn, J.M., Jolly, C.A. and Chapkin, R.S.
 Alteration of glycerolipid and sphingolipid-derived second messenger kinetics in *ras* transformed 3T3 cells (1299) 146
Lavallée, B., Provost, P.R. and Bélanger, A.
 Formation of pregnenolone- and dehydroepiandrosterone-fatty acid esters by lecithin-cholesterol acyltransferase in human plasma high density lipoproteins (1299) 306
Leineweber, M., see Hoffmann, A. (1299) 95
L'Heureux, G.P., see Richard, A. (1299) 259
Liberati, R., see Pessotto, P. (1299) 245
Liljenberg, C., see Norberg, P. (1299) 80
Lima, D.M., see Kresch, M.J. (1299) 39
Lombardo, Y.B., Chicco, A., D'Alessandro, M.E., Martinelli, M., Soria, A. and Gutman, R.
 Dietary fish oil normalize dyslipidemia and glucose intolerance with unchanged insulin levels in rats fed a high sucrose diet (1299) 175
Los, D.A., see Gombos, Z. (1299) 117
Lu, H., see Kresch, M.J. (1299) 39
Madden, L.J., see Treloar, T. (1299) 160
Makita, A., see Balbaa, M. (1299) 141
Malone, R.W., see Aberle, A.M. (1299) 281
Martin-Privat, P., see Clouet, P. (1299) 191
Martinelli, M., see Lombardo, Y.B. (1299) 175
McColl, S.R., see Richard, A. (1299) 259
Miyazawa, T., see Nakagawa, K. (1299) 110
Morelli, S., see De Boland, A.R. (1299) 279
Morrison, A., see Chen, X. (1299) 23
Murata, N., see Gombos, Z. (1299) 117
Naccache, P.H., see Richard, A. (1299) 259
Nakagawa, K., Fujimoto, K. and Miyazawa, T.
 β -Carotene as a high-potency antioxidant to prevent the formation of phospholipid hydroperoxides in red blood cells of mice (1299) 110
Nantz, M.H., see Aberle, A.M. (1299) 281
Nes, W.D., see Venkatramesh, M. (1299) 313
Newton, R.S., see Rea, T.J. (1299) 67
Nicolau, A., see Adosraku, R.K. (1299) 167
Nilsson, R., see Norberg, P. (1299) 80
Ninio, E., see Dentan, C. (1299) 353
Niot, I., see Clouet, P. (1299) 191
Nocito, M., Roy, G., Villar, L.M., Palacios, C., Serrano, A., Alvarez-Cermeño, J.C. and González-Porqué, P.
 Thioesterase and protein deacylase activities of porcine pancreatic phospholipase A₂ (1299) 17
Norberg, P., Nilsson, R., Nyireddy, S. and Liljenberg, C.
 Glucosylceramides of oat root plasma membranes – physicochemical behaviour in natural and in model systems (1299) 80
Nyireddy, S., see Norberg, P. (1299) 80
Olivecrona, G., see Carrero, P. (1299) 198
Orfanos, C.E., see Geilen, C.C. (1299) 299
Palacios, C., see Nocito, M. (1299) 17
Pape, M.E., see Rea, T.J. (1299) 67
Park, M.T., see Henderson, R.J. (1299) 289
Pelletier, G., see Richard, A. (1299) 259
Pentland, A.P., see Chen, X. (1299) 23
Pessotto, P., Liberati, R., Petrella, O. and Hülsmann, W.C.
 Quaternary nitrogen compounds affect carnitine distribution in rats. Particular emphasis on edrophonium (1299) 245
Pete, M.J., Wu, D.W. and Exton, J.H.
 Subcellular fractions of bovine brain degrade phosphatidylcholine by sequential deacylation of the *sn*-1 and *sn*-2 positions (1299) 325
Petrella, O., see Pessotto, P. (1299) 245
Plonné, D., Stacke, A., Weber, K.-U., Endisch, U. and Dargel, R.
 The pattern of apolipoprotein B100 containing lipoprotein subclasses produced by the isolated visceral rat yolk sac depends on developmental stage and fatty acid availability (1299) 54
Pratum, T., see Haigh, W.G. (1299) 183
Provost, P.R., see Lavallée, B. (1299) 306
Radin, N.S., see Abe, A. (1299) 333
Ravi Subbiah, M.T., see Tang, M. (1299) 155
Rea, T.J., DeMattos, R.B., Homan, R., Newton, R.S. and Pape, M.E.
 Lack of correlation between ACAT mRNA expression and cholesterol esterification in primary liver cells (1299) 67
Read, N., see Velinova, M. (1299) 207
Richard, A., Bourgoin, S., Naccache, P.H., L'Heureux, G.P., Krump, E., McColl, S.R. and Pelletier, G.
 C₂-ceramide primes specifically for the superoxide anion production induced by *N*-formylmethionylleucyl phenylalanine (fMLP) in human neutrophils (1299) 259
Rifichi, V.A. and Khachadurian, A.K.
 Oxidation of high density lipoproteins: characterization and effects on cholesterol efflux from J774 macrophages (1299) 87
Rosenthal, M.D., see Rzigalinski, B.A. (1299) 342
Rosolowsky, M. and Campbell, W.B.
 Synthesis of hydroxyeicosatetraenoic (HETEs) and epoxyeicosatrienoic acids (EETs) by cultured bovine coronary artery endothelial cells (1299) 267
Roy, G., see Nocito, M. (1299) 17
Rudling, M. and Collins, V.P.
 Low density lipoprotein receptor and 3-hydroxy-3-methylglutaryl coenzyme A reductase mRNA levels are coordinately reduced in human renal cell carcinoma (1299) 75
Rzigalinski, B.A., Blackmore, P.F. and Rosenthal, M.D.
 Arachidonate mobilization is coupled to depletion of intracellular calcium stores and influx of extracellular calcium in differentiated U937 cells (1299) 342

- Sargent, J.R., see Buzzi, M. (1299) 235
Schmalz, M., see Hoffmann, A. (1299) 95
Semporé, G., see Clouet, P. (1299) 191
Serrano, A., see Nocito, M. (1299) 17
Shayman, J.A., see Abe, A. (1299) 333
Shimizu, S., see Kawashima, H. (1299) 34
Shirasaka, N., see Kawashima, H. (1299) 34
Smith, J.D., see Adosraku, R.K. (1299) 167
Smith, J.L., see Treloar, T. (1299) 160
Soria, A., see Lombardo, Y.B. (1299) 175
Stacke, A., see Plonné, D. (1299) 54
Stein, O., Dabach, Y., Hollander, G., Halperin, G., Thiery, J. and Stein, Y.
 Relative resistance of the hamster to aortic atherosclerosis in spite of prolonged vitamin E deficiency and dietary hypercholesterolemia. Putative effect of increased HDL? (1299) 216
Stein, Y., see Stein, O. (1299) 216
Surette, M.E., see Chilton, F.H. (1299) 1

Tachibana, K., see Hu, M. (1299) 252
Tang, M. and Ravi Subbiah, M.T.
 Estrogens protect against hydrogen peroxide and arachidonic acid induced DNA damage (1299) 155
Thiery, J., see Stein, O. (1299) 216
Treloar, T., Madden, L.J., Winter, J.S., Smith, J.L. and De Jersey, J.
 Fatty acid ethyl ester synthesis by human liver microsomes (1299) 160

Triggiani, M., see Chilton, F.H. (1299) 1
Tselepis, A.D., see Dentan, C. (1299) 353
Tsoko, M., see Clouet, P. (1299) 191

Varkonyi, Z., see Gombos, Z. (1299) 117
Velinova, M., Read, N., Kirby, C. and Gregoriadis, G.
 Morphological observations on the fate of liposomes in the regional lymph nodes after footpad injection into rats (1299) 207
Venkatramesh, M., Guo, D.-a., Jia, Z. and Nes, W.D.
 Mechanism and structural requirements for transformation of substrates by the (S)-adenosyl-L-methionine: $\Delta^{24(25)}$ -sterol methyl transferase from *Saccharomyces cerevisiae* (1299) 313
Villar, L.M., see Nocito, M. (1299) 17

Wada, H., see Gombos, Z. (1299) 117
Weber, K.-U., see Plonné, D. (1299) 54
Wieder, T., see Geilen, C.C. (1299) 299
Wieprecht, M., see Geilen, C.C. (1299) 299
Winget, R.R., see Haigh, W.G. (1299) 183
Winkler, J.D., see Chilton, F.H. (1299) 1
Winter, J.S., see Treloar, T. (1299) 160
Wooten, R.E., see Bauldry, S.A. (1299) 223
Wu, D.W., see Pete, M.J. (1299) 325

Yoder, T.F., see Haigh, W.G. (1299) 183

